Release notes for ENDF/B Development n-046_Pd_106 evaluation

April 26, 2017

- **checkr** Warnings:

    1. A previous error halted parsing of the current section
       MAT=4637, MF= 1, MT=451 (1): Parsing stopped

       ```
       ERROR(S) FOUND IN MAT=4637, MF= 1, MT=451
            SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      294 TO      468
       ```

- **checkr** Errors:

    1. A variable is outside the allowed ENDF range
       MAT=4637, MF= 1, MT=451 (0): Variable range

       ```
       ERROR(S) FOUND IN MAT=4637, MF= 1, MT=451
            MOD =     1 OUT OF RANGE     0 -     0          RECORD NUMBER     294
       ```

    2. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=4637, MF= 2, MT=151 (0): Directory (b)

       ```
       ERROR(S) FOUND IN MAT=4637, MF= 2, MT=151
            SECTION  2/151 NOT IN DIRECTORY               RECORD NUMBER     470
       ```

    3. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=4637, MF= 3, MT= 1 (0): Directory (b)

       ```
       ERROR(S) FOUND IN MAT=4637, MF= 3, MT=  1
            SECTION  3/  1 NOT IN DIRECTORY               RECORD NUMBER     564
       ```

    4. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=4637, MF= 3, MT= 2 (0): Directory (b)

       ```
       ERROR(S) FOUND IN MAT=4637, MF= 3, MT=  2
            SECTION  3/  2 NOT IN DIRECTORY               RECORD NUMBER     620
       ```

    5. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=4637, MF= 3, MT= 3 (0): Directory (b)

       ```
       ERROR(S) FOUND IN MAT=4637, MF= 3, MT=  3
            SECTION  3/  3 NOT IN DIRECTORY               RECORD NUMBER     676
       ```

    6. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=4637, MF= 3, MT= 4 (0): Directory (b)

       ```
       ERROR(S) FOUND IN MAT=4637, MF= 3, MT=  4
            SECTION  3/  4 NOT IN DIRECTORY               RECORD NUMBER     732
       ```

    7. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=4637, MF= 3, MT= 16 (0): Directory (b)

1

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 16
           SECTION  3/ 16 NOT IN DIRECTORY                 RECORD NUMBER     770
```

8. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 17$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 17
           SECTION  3/ 17 NOT IN DIRECTORY                 RECORD NUMBER     786
```

9. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 22$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 22
           SECTION  3/ 22 NOT IN DIRECTORY                 RECORD NUMBER     797
```

10. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 24$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 24
           SECTION  3/ 24 NOT IN DIRECTORY                 RECORD NUMBER     810
```

11. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 28$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 28
           SECTION  3/ 28 NOT IN DIRECTORY                 RECORD NUMBER     818
```

12. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 32$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 32
           SECTION  3/ 32 NOT IN DIRECTORY                 RECORD NUMBER     829
```

13. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 37$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 37
           SECTION  3/ 37 NOT IN DIRECTORY                 RECORD NUMBER     835
```

14. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 41$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 41
           SECTION  3/ 41 NOT IN DIRECTORY                 RECORD NUMBER     841
```

15. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 51$ (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 51
               SECTION  3/ 51 NOT IN DIRECTORY                RECORD NUMBER    848
```

16. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 52 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 52
               SECTION  3/ 52 NOT IN DIRECTORY                RECORD NUMBER    886
```

17. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 53 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 53
               SECTION  3/ 53 NOT IN DIRECTORY                RECORD NUMBER    920
```

18. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 54 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 54
               SECTION  3/ 54 NOT IN DIRECTORY                RECORD NUMBER    953
```

19. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 55 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 55
               SECTION  3/ 55 NOT IN DIRECTORY                RECORD NUMBER    986
```

20. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 56 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 56
               SECTION  3/ 56 NOT IN DIRECTORY                RECORD NUMBER   1017
```

21. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 57 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 57
               SECTION  3/ 57 NOT IN DIRECTORY                RECORD NUMBER   1048
```

22. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 58 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 58
               SECTION  3/ 58 NOT IN DIRECTORY                RECORD NUMBER   1078
```

23. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 59 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 59
         SECTION  3/ 59 NOT IN DIRECTORY                RECORD NUMBER    1107
```

24. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 60 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 60
         SECTION  3/ 60 NOT IN DIRECTORY                RECORD NUMBER    1136
```

25. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 61 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 61
         SECTION  3/ 61 NOT IN DIRECTORY                RECORD NUMBER    1164
```

26. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 62 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 62
         SECTION  3/ 62 NOT IN DIRECTORY                RECORD NUMBER    1192
```

27. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 63 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 63
         SECTION  3/ 63 NOT IN DIRECTORY                RECORD NUMBER    1219
```

28. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 64 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 64
         SECTION  3/ 64 NOT IN DIRECTORY                RECORD NUMBER    1246
```

29. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 65 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 65
         SECTION  3/ 65 NOT IN DIRECTORY                RECORD NUMBER    1272
```

30. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 66 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 66
         SECTION  3/ 66 NOT IN DIRECTORY                RECORD NUMBER    1298
```

31. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT= 67 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 67
          SECTION  3/ 67 NOT IN DIRECTORY                 RECORD NUMBER    1323
```

32. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 68 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 68
          SECTION  3/ 68 NOT IN DIRECTORY                 RECORD NUMBER    1348
```

33. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 69 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 69
          SECTION  3/ 69 NOT IN DIRECTORY                 RECORD NUMBER    1372
```

34. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 70 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 70
          SECTION  3/ 70 NOT IN DIRECTORY                 RECORD NUMBER    1396
```

35. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 71 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 71
          SECTION  3/ 71 NOT IN DIRECTORY                 RECORD NUMBER    1420
```

36. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 72 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 72
          SECTION  3/ 72 NOT IN DIRECTORY                 RECORD NUMBER    1443
```

37. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 73 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 73
          SECTION  3/ 73 NOT IN DIRECTORY                 RECORD NUMBER    1466
```

38. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 74 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 74
          SECTION  3/ 74 NOT IN DIRECTORY                 RECORD NUMBER    1488
```

39. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 3, MT= 91 (0)$: Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT= 91
     SECTION  3/ 91 NOT IN DIRECTORY                    RECORD NUMBER    1510
```

40. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=102 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=102
     SECTION  3/102 NOT IN DIRECTORY                    RECORD NUMBER    1532
```

41. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=103 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=103
     SECTION  3/103 NOT IN DIRECTORY                    RECORD NUMBER    1556
```

42. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=104 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=104
     SECTION  3/104 NOT IN DIRECTORY                    RECORD NUMBER    1569
```

43. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=107 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=107
     SECTION  3/107 NOT IN DIRECTORY                    RECORD NUMBER    1585
```

44. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=600 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=600
     SECTION  3/600 NOT IN DIRECTORY                    RECORD NUMBER    1594
```

45. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=601 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=601
     SECTION  3/601 NOT IN DIRECTORY                    RECORD NUMBER    1607
```

46. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=649 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=649
     SECTION  3/649 NOT IN DIRECTORY                    RECORD NUMBER    1620
```

47. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=650 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=650
     SECTION  3/650 NOT IN DIRECTORY                RECORD NUMBER    1633
```

48. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=651 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=651
     SECTION  3/651 NOT IN DIRECTORY                RECORD NUMBER    1649
```

49. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=652 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=652
     SECTION  3/652 NOT IN DIRECTORY                RECORD NUMBER    1664
```

50. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=653 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=653
     SECTION  3/653 NOT IN DIRECTORY                RECORD NUMBER    1679
```

51. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=654 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=654
     SECTION  3/654 NOT IN DIRECTORY                RECORD NUMBER    1694
```

52. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=655 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=655
     SECTION  3/655 NOT IN DIRECTORY                RECORD NUMBER    1708
```

53. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=656 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=656
     SECTION  3/656 NOT IN DIRECTORY                RECORD NUMBER    1722
```

54. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=657 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=657
     SECTION  3/657 NOT IN DIRECTORY                RECORD NUMBER    1736
```

55. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=658 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=658
   SECTION  3/658 NOT IN DIRECTORY                RECORD NUMBER    1749
```

56. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=659 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=659
   SECTION  3/659 NOT IN DIRECTORY                RECORD NUMBER    1762
```

57. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=660 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=660
   SECTION  3/660 NOT IN DIRECTORY                RECORD NUMBER    1775
```

58. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=661 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=661
   SECTION  3/661 NOT IN DIRECTORY                RECORD NUMBER    1787
```

59. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=662 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=662
   SECTION  3/662 NOT IN DIRECTORY                RECORD NUMBER    1799
```

60. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=663 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=663
   SECTION  3/663 NOT IN DIRECTORY                RECORD NUMBER    1811
```

61. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=664 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=664
   SECTION  3/664 NOT IN DIRECTORY                RECORD NUMBER    1822
```

62. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=665 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=665
   SECTION  3/665 NOT IN DIRECTORY                RECORD NUMBER    1833
```

63. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=666 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=666
           SECTION  3/666 NOT IN DIRECTORY                    RECORD NUMBER    1844
```

64. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=667 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=667
           SECTION  3/667 NOT IN DIRECTORY                    RECORD NUMBER    1854
```

65. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=668 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=668
           SECTION  3/668 NOT IN DIRECTORY                    RECORD NUMBER    1864
```

66. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=669 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=669
           SECTION  3/669 NOT IN DIRECTORY                    RECORD NUMBER    1874
```

67. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=699 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=699
           SECTION  3/699 NOT IN DIRECTORY                    RECORD NUMBER    1883
```

68. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=800 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=800
           SECTION  3/800 NOT IN DIRECTORY                    RECORD NUMBER    1892
```

69. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=801 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=801
           SECTION  3/801 NOT IN DIRECTORY                    RECORD NUMBER    1901
```

70. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=802 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=802
           SECTION  3/802 NOT IN DIRECTORY                    RECORD NUMBER    1910
```

71. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=803 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=803
           SECTION  3/803 NOT IN DIRECTORY                    RECORD NUMBER    1919
```

72. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=804 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=804
           SECTION  3/804 NOT IN DIRECTORY                    RECORD NUMBER    1928
```

73. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=805 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=805
           SECTION  3/805 NOT IN DIRECTORY                    RECORD NUMBER    1937
```

74. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=806 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=806
           SECTION  3/806 NOT IN DIRECTORY                    RECORD NUMBER    1946
```

75. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=807 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=807
           SECTION  3/807 NOT IN DIRECTORY                    RECORD NUMBER    1955
```

76. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=808 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=808
           SECTION  3/808 NOT IN DIRECTORY                    RECORD NUMBER    1964
```

77. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=809 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=809
           SECTION  3/809 NOT IN DIRECTORY                    RECORD NUMBER    1973
```

78. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=810 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 3, MT=810
           SECTION  3/810 NOT IN DIRECTORY                    RECORD NUMBER    1982
```

79. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=811 (0): Directory (b)

10

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=811
    SECTION  3/811 NOT IN DIRECTORY                RECORD NUMBER   1991
```

80. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=4637, MF= 3, MT=812$ (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=812
    SECTION  3/812 NOT IN DIRECTORY                RECORD NUMBER   2000
```

81. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=4637, MF= 3, MT=813$ (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=813
    SECTION  3/813 NOT IN DIRECTORY                RECORD NUMBER   2009
```

82. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=4637, MF= 3, MT=814$ (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=814
    SECTION  3/814 NOT IN DIRECTORY                RECORD NUMBER   2018
```

83. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=4637, MF= 3, MT=815$ (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=815
    SECTION  3/815 NOT IN DIRECTORY                RECORD NUMBER   2027
```

84. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=4637, MF= 3, MT=816$ (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=816
    SECTION  3/816 NOT IN DIRECTORY                RECORD NUMBER   2036
```

85. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=4637, MF= 3, MT=817$ (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=817
    SECTION  3/817 NOT IN DIRECTORY                RECORD NUMBER   2045
```

86. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=4637, MF= 3, MT=818$ (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=818
    SECTION  3/818 NOT IN DIRECTORY                RECORD NUMBER   2054
```

87. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=4637, MF= 3, MT=819$ (0): Directory (b)

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```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=819
    SECTION  3/819 NOT IN DIRECTORY                RECORD NUMBER   2063
```

88. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 3, MT=849 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 3, MT=849
    SECTION  3/849 NOT IN DIRECTORY                RECORD NUMBER   2072
```

89. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 4, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 4, MT=  2
    SECTION  4/  2 NOT IN DIRECTORY                RECORD NUMBER   2082
```

90. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 16
    SECTION  6/ 16 NOT IN DIRECTORY                RECORD NUMBER   3102
```

91. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 17 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 17
    SECTION  6/ 17 NOT IN DIRECTORY                RECORD NUMBER   3743
```

92. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 22 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 22
    SECTION  6/ 22 NOT IN DIRECTORY                RECORD NUMBER   3997
```

93. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 24 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 24
    SECTION  6/ 24 NOT IN DIRECTORY                RECORD NUMBER   5185
```

94. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 28 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 28
    SECTION  6/ 28 NOT IN DIRECTORY                RECORD NUMBER   5543
```

95. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 32 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 32
           SECTION  6/ 32 NOT IN DIRECTORY                  RECORD NUMBER     6328
```

96. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 37 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 37
           SECTION  6/ 37 NOT IN DIRECTORY                  RECORD NUMBER     6563
```

97. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 41 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 41
           SECTION  6/ 41 NOT IN DIRECTORY                  RECORD NUMBER     6626
```

98. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 51 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 51
           SECTION  6/ 51 NOT IN DIRECTORY                  RECORD NUMBER     6872
```

99. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 52 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 52
           SECTION  6/ 52 NOT IN DIRECTORY                  RECORD NUMBER     7000
```

100. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 53 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 53
           SECTION  6/ 53 NOT IN DIRECTORY                  RECORD NUMBER     7117
```

101. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 54 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 54
           SECTION  6/ 54 NOT IN DIRECTORY                  RECORD NUMBER     7234
```

102. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 55 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 55
           SECTION  6/ 55 NOT IN DIRECTORY                  RECORD NUMBER     7348
```

103. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=4637, MF= 6, MT= 56 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 56
         SECTION  6/ 56 NOT IN DIRECTORY                    RECORD NUMBER    7424
```

104. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=4637, MF= 6, MT= 57 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 57
         SECTION  6/ 57 NOT IN DIRECTORY                    RECORD NUMBER    7500
```

105. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=4637, MF= 6, MT= 58 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 58
         SECTION  6/ 58 NOT IN DIRECTORY                    RECORD NUMBER    7571
```

106. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=4637, MF= 6, MT= 59 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 59
         SECTION  6/ 59 NOT IN DIRECTORY                    RECORD NUMBER    7637
```

107. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=4637, MF= 6, MT= 60 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 60
         SECTION  6/ 60 NOT IN DIRECTORY                    RECORD NUMBER    7709
```

108. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=4637, MF= 6, MT= 61 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 61
         SECTION  6/ 61 NOT IN DIRECTORY                    RECORD NUMBER    7778
```

109. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=4637, MF= 6, MT= 62 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 62
         SECTION  6/ 62 NOT IN DIRECTORY                    RECORD NUMBER    7841
```

110. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=4637, MF= 6, MT= 63 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 63
         SECTION  6/ 63 NOT IN DIRECTORY                    RECORD NUMBER    7908
```

111. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=4637, MF= 6, MT= 64 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 64
          SECTION  6/ 64 NOT IN DIRECTORY                    RECORD NUMBER    8016
```

112. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 6, MT= 65$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 65
          SECTION  6/ 65 NOT IN DIRECTORY                    RECORD NUMBER    8086
```

113. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 6, MT= 66$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 66
          SECTION  6/ 66 NOT IN DIRECTORY                    RECORD NUMBER    8152
```

114. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 6, MT= 67$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 67
          SECTION  6/ 67 NOT IN DIRECTORY                    RECORD NUMBER    8214
```

115. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 6, MT= 68$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 68
          SECTION  6/ 68 NOT IN DIRECTORY                    RECORD NUMBER    8290
```

116. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 6, MT= 69$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 69
          SECTION  6/ 69 NOT IN DIRECTORY                    RECORD NUMBER    8356
```

117. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 6, MT= 70$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 70
          SECTION  6/ 70 NOT IN DIRECTORY                    RECORD NUMBER    8426
```

118. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 6, MT= 71$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 71
          SECTION  6/ 71 NOT IN DIRECTORY                    RECORD NUMBER    8493
```

119. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=4637, MF= 6, MT= 72$ (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 72
        SECTION  6/ 72 NOT IN DIRECTORY                RECORD NUMBER    8550
```

120. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT= 73 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 73
        SECTION  6/ 73 NOT IN DIRECTORY                RECORD NUMBER    8609
```

121. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT= 74 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 74
        SECTION  6/ 74 NOT IN DIRECTORY                RECORD NUMBER    8670
```

122. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT= 91 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=4637, MF= 6, MT= 91
        SECTION  6/ 91 NOT IN DIRECTORY                RECORD NUMBER    8733
```

123. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=600 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=4637, MF= 6, MT=600
        SECTION  6/600 NOT IN DIRECTORY                RECORD NUMBER   10346
```

124. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=601 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=4637, MF= 6, MT=601
        SECTION  6/601 NOT IN DIRECTORY                RECORD NUMBER   10360
```

125. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=649 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=4637, MF= 6, MT=649
        SECTION  6/649 NOT IN DIRECTORY                RECORD NUMBER   10383
```

126. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=650 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=4637, MF= 6, MT=650
        SECTION  6/650 NOT IN DIRECTORY                RECORD NUMBER   11433
```

127. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=651 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=651
           SECTION  6/651 NOT IN DIRECTORY                RECORD NUMBER   11447
```

128. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=652 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=652
           SECTION  6/652 NOT IN DIRECTORY                RECORD NUMBER   11470
```

129. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=653 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=653
           SECTION  6/653 NOT IN DIRECTORY                RECORD NUMBER   11493
```

130. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=654 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=654
           SECTION  6/654 NOT IN DIRECTORY                RECORD NUMBER   11516
```

131. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=655 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=655
           SECTION  6/655 NOT IN DIRECTORY                RECORD NUMBER   11541
```

132. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=656 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=656
           SECTION  6/656 NOT IN DIRECTORY                RECORD NUMBER   11564
```

133. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=657 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=657
           SECTION  6/657 NOT IN DIRECTORY                RECORD NUMBER   11587
```

134. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=658 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=658
           SECTION  6/658 NOT IN DIRECTORY                RECORD NUMBER   11610
```

135. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=659 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT=659
     SECTION  6/659 NOT IN DIRECTORY                RECORD NUMBER   11635
```

136. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF= 6, MT=660 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT=660
     SECTION  6/660 NOT IN DIRECTORY                RECORD NUMBER   11660
```

137. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF= 6, MT=661 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT=661
     SECTION  6/661 NOT IN DIRECTORY                RECORD NUMBER   11687
```

138. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF= 6, MT=662 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT=662
     SECTION  6/662 NOT IN DIRECTORY                RECORD NUMBER   11712
```

139. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF= 6, MT=663 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT=663
     SECTION  6/663 NOT IN DIRECTORY                RECORD NUMBER   11745
```

140. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF= 6, MT=664 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT=664
     SECTION  6/664 NOT IN DIRECTORY                RECORD NUMBER   11774
```

141. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF= 6, MT=665 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT=665
     SECTION  6/665 NOT IN DIRECTORY                RECORD NUMBER   11807
```

142. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF= 6, MT=666 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4637, MF= 6, MT=666
     SECTION  6/666 NOT IN DIRECTORY                RECORD NUMBER   11844
```

143. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF= 6, MT=667 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=667
         SECTION  6/667 NOT IN DIRECTORY                 RECORD NUMBER   11879
```

144. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=4637, MF= 6, MT=668$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=668
         SECTION  6/668 NOT IN DIRECTORY                 RECORD NUMBER   11904
```

145. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=4637, MF= 6, MT=669$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=669
         SECTION  6/669 NOT IN DIRECTORY                 RECORD NUMBER   11941
```

146. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=4637, MF= 6, MT=699$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=699
         SECTION  6/699 NOT IN DIRECTORY                 RECORD NUMBER   11980
```

147. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=4637, MF= 6, MT=800$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=800
         SECTION  6/800 NOT IN DIRECTORY                 RECORD NUMBER   12465
```

148. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=4637, MF= 6, MT=801$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=801
         SECTION  6/801 NOT IN DIRECTORY                 RECORD NUMBER   12479
```

149. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=4637, MF= 6, MT=802$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=802
         SECTION  6/802 NOT IN DIRECTORY                 RECORD NUMBER   12502
```

150. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=4637, MF= 6, MT=803$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=803
         SECTION  6/803 NOT IN DIRECTORY                 RECORD NUMBER   12525
```

151. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=4637, MF= 6, MT=804$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=804
            SECTION  6/804 NOT IN DIRECTORY                    RECORD NUMBER   12548
```

152. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=805 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=805
            SECTION  6/805 NOT IN DIRECTORY                    RECORD NUMBER   12573
```

153. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=806 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=806
            SECTION  6/806 NOT IN DIRECTORY                    RECORD NUMBER   12600
```

154. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=807 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=807
            SECTION  6/807 NOT IN DIRECTORY                    RECORD NUMBER   12623
```

155. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=808 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=808
            SECTION  6/808 NOT IN DIRECTORY                    RECORD NUMBER   12650
```

156. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=809 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=809
            SECTION  6/809 NOT IN DIRECTORY                    RECORD NUMBER   12677
```

157. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=810 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=810
            SECTION  6/810 NOT IN DIRECTORY                    RECORD NUMBER   12704
```

158. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=811 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=4637, MF= 6, MT=811
            SECTION  6/811 NOT IN DIRECTORY                    RECORD NUMBER   12729
```

159. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=812 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=812
        SECTION  6/812 NOT IN DIRECTORY                 RECORD NUMBER   12756
```

160. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=813 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=813
        SECTION  6/813 NOT IN DIRECTORY                 RECORD NUMBER   12797
```

161. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=814 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=814
        SECTION  6/814 NOT IN DIRECTORY                 RECORD NUMBER   12828
```

162. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=815 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=815
        SECTION  6/815 NOT IN DIRECTORY                 RECORD NUMBER   12855
```

163. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=816 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=816
        SECTION  6/816 NOT IN DIRECTORY                 RECORD NUMBER   12884
```

164. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=817 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=817
        SECTION  6/817 NOT IN DIRECTORY                 RECORD NUMBER   12911
```

165. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=818 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=818
        SECTION  6/818 NOT IN DIRECTORY                 RECORD NUMBER   12936
```

166. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=819 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=4637, MF= 6, MT=819
        SECTION  6/819 NOT IN DIRECTORY                 RECORD NUMBER   12969
```

167. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=4637, MF= 6, MT=849 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=4637, MF= 6, MT=849
              SECTION  6/849 NOT IN DIRECTORY                RECORD NUMBER   12992
```

168. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF=12, MT=102 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=4637, MF=12, MT=102
              SECTION 12/102 NOT IN DIRECTORY                RECORD NUMBER   14385
```

169. Missing a gamma spectrum for continuum of gammas
MAT=4637, MF=12, MT=102 (1): No gamma spectrum

```
          ERROR(S) FOUND IN MAT=4637, MF=12, MT=102
              CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
```

170. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF=14, MT=102 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=4637, MF=14, MT=102
              SECTION 14/102 NOT IN DIRECTORY                RECORD NUMBER   14402
```

171. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF=15, MT=102 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=4637, MF=15, MT=102
              SECTION 15/102 NOT IN DIRECTORY                RECORD NUMBER   14405
```

172. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF=33, MT= 2 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=4637, MF=33, MT=  2
              SECTION 33/  2 NOT IN DIRECTORY                RECORD NUMBER   14984
```

173. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF=33, MT= 4 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=4637, MF=33, MT=  4
              SECTION 33/  4 NOT IN DIRECTORY                RECORD NUMBER   15074
```

174. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF=33, MT= 16 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=4637, MF=33, MT= 16
              SECTION 33/ 16 NOT IN DIRECTORY                RECORD NUMBER   15124
```

175. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4637, MF=33, MT=102 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=4637, MF=33, MT=102
              SECTION 33/102 NOT IN DIRECTORY                RECORD NUMBER   15134
```

- groupie Errors:

   1. Very small elastic cross section found
      0: Small elastic

      ```
      Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)
      ----------------------------------------------------------------------------
      ENDF/B Input and Output Data Filenames
      ENDFB.IN
      ENDFB.OUT
      ... [97 more lines]
      ```

- fudge-4.0 Warnings:

   1. Missing a channel with a particular angular momenta combination
      resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

      ```
      WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"
      WARNING: Missing a channel with angular momenta combination L = 1, J = 0.5 and S = 1.5 for "capture"
      WARNING: Missing a channel with angular momenta combination L = 1, J = 1.5 and S = 1.5 for "capture"
      WARNING: Missing a channel with angular momenta combination L = 1, J = 2.5 and S = 1.5 for "capture"
      ```

   2. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
      Section 0 (n + Pd106): / Form 'eval': / Component 0 (Error # 0): Condition num.

      ```
      WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
      ```

   3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
      Section 0 (n + Pd106): / Form 'eval': / Component 1 (Error # 0): Condition num.

      ```
      WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
      ```

   4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
      Section 1 ((z,n)): / Form 'eval': (Error # 0): Condition num.

      ```
      WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
      ```

   5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
      Section 2 (n[multiplicity:'2'] + Pd105 + gamma): / Form 'eval': (Error # 0): Condition num.

      ```
      WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
      ```

   6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
      Section 3 (Pd107 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.

      ```
      WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
      ```

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 3 (Pd107 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

- `fudge-4.0` Errors:

   1. Calculated and tabulated Q values disagree.
   reaction label 26: n[multiplicity:'2'] + Pd105 + gamma (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -9677523.253509521 eV vs -9562380. eV!
   ```

   2. Calculated and tabulated Q values disagree.
   reaction label 27: n[multiplicity:'3'] + Pd104 + gamma (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -16254480.80441284 eV vs -1.66568e7 eV!
   ```

   3. Calculated and tabulated Q values disagree.
   reaction label 28: n[multiplicity:'4'] + Pd103 + gamma (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -26589699.8130188 eV vs -2.66501e7 eV!
   ```

   4. Calculated and tabulated Q values disagree.
   reaction label 29: n + H1 + Rh105 + gamma (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -9834292.319976807 eV vs -9347030. eV!
   ```

   5. Calculated and tabulated Q values disagree.
   reaction label 30: n + H2 + Rh104 + gamma (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -16577552.89381409 eV vs -1.60908e7 eV!
   ```

   6. Calculated and tabulated Q values disagree.
   reaction label 31: H1 + Rh106 (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -3257334.769058228 eV vs -2759649. eV!
   ```

   7. Calculated and tabulated Q values disagree.
   reaction label 32: H1 + (Rh106_e1 ->Rh106 + gamma) (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -3299274.769058228 eV vs -2801589. eV!
   ```

   8. Calculated and tabulated Q values disagree.
   reaction label 33: H1 + (Rh106_c ->Rh106 + gamma) (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -3299274.769058228 eV vs -2801589. eV!
   ```

   9. Calculated and tabulated Q values disagree.
   reaction label 34: H2 + Rh105 (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -8121464.614074707 eV vs -7122444. eV!
   ```

   10. Calculated and tabulated Q values disagree.
   reaction label 35: H2 + (Rh105_e1 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8251245.614074707 eV vs -7252225. eV!
```
11. Calculated and tabulated Q values disagree.
    reaction label 36: H2 + (Rh105_e2 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8270654.614074707 eV vs -7271634. eV!
```
12. Calculated and tabulated Q values disagree.
    reaction label 37: H2 + (Rh105_e3 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8514114.614074707 eV vs -7515094. eV!
```
13. Calculated and tabulated Q values disagree.
    reaction label 38: H2 + (Rh105_e4 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8577074.614074707 eV vs -7578054. eV!
```
14. Calculated and tabulated Q values disagree.
    reaction label 39: H2 + (Rh105_e5 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8590844.614074707 eV vs -7591824. eV!
```
15. Calculated and tabulated Q values disagree.
    reaction label 40: H2 + (Rh105_e6 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8595464.614074707 eV vs -7596444. eV!
```
16. Calculated and tabulated Q values disagree.
    reaction label 41: H2 + (Rh105_e7 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8620774.614074707 eV vs -7621754. eV!
```
17. Calculated and tabulated Q values disagree.
    reaction label 42: H2 + (Rh105_e8 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8645464.614074707 eV vs -7646444. eV!
```
18. Calculated and tabulated Q values disagree.
    reaction label 43: H2 + (Rh105_e9 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8760144.614074707 eV vs -7761124. eV!
```
19. Calculated and tabulated Q values disagree.
    reaction label 44: H2 + (Rh105_e10 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8845794.614074707 eV vs -7846774. eV!
```
20. Calculated and tabulated Q values disagree.
    reaction label 45: H2 + (Rh105_e11 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8883574.614074707 eV vs -7884554. eV!
```
21. Calculated and tabulated Q values disagree.
    reaction label 46: H2 + (Rh105_e12 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8904464.614074707 eV vs -7905444. eV!
```

25

22. Calculated and tabulated Q values disagree.
reaction label 47: H2 + (Rh105_e13 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8907394.614074707 eV vs -7908374. eV!
```

23. Calculated and tabulated Q values disagree.
reaction label 48: H2 + (Rh105_e14 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8927404.614074707 eV vs -7928384. eV!
```

24. Calculated and tabulated Q values disagree.
reaction label 49: H2 + (Rh105_e15 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8938464.614074707 eV vs -7939444. eV!
```

25. Calculated and tabulated Q values disagree.
reaction label 50: H2 + (Rh105_e16 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8951464.614074707 eV vs -7952444. eV!
```

26. Calculated and tabulated Q values disagree.
reaction label 51: H2 + (Rh105_e17 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8964074.614074707 eV vs -7965054. eV!
```

27. Calculated and tabulated Q values disagree.
reaction label 52: H2 + (Rh105_e18 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -8987464.614074707 eV vs -7988444. eV!
```

28. Calculated and tabulated Q values disagree.
reaction label 53: H2 + (Rh105_e19 ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -9019464.614074707 eV vs -8020444. eV!
```

29. Calculated and tabulated Q values disagree.
reaction label 54: H2 + (Rh105_c ->Rh105 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -9019464.614074707 eV vs -8020444. eV!
```

30. Calculated and tabulated Q values disagree.
reaction label 55: He4 + Ru103 (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 932372.9812469482 eV vs 2999870. eV!
```

31. Calculated and tabulated Q values disagree.
reaction label 56: He4 + (Ru103_e1 ->Ru103 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 929562.9812469482 eV vs 2997060. eV!
```

32. Calculated and tabulated Q values disagree.
reaction label 57: He4 + (Ru103_e2 ->Ru103 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 796293.9812469482 eV vs 2863791. eV!
```

33. Calculated and tabulated Q values disagree.
    reaction label 58: He4 + (Ru103_e3 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 758112.9812469482 eV vs 2825610. eV!
    ```

34. Calculated and tabulated Q values disagree.
    reaction label 59: He4 + (Ru103_e4 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 718812.9812469482 eV vs 2786310. eV!
    ```

35. Calculated and tabulated Q values disagree.
    reaction label 60: He4 + (Ru103_e5 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 694172.9812469482 eV vs 2761670. eV!
    ```

36. Calculated and tabulated Q values disagree.
    reaction label 61: He4 + (Ru103_e6 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 634892.9812469482 eV vs 2702390. eV!
    ```

37. Calculated and tabulated Q values disagree.
    reaction label 62: He4 + (Ru103_e7 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 585992.9812469482 eV vs 2653490. eV!
    ```

38. Calculated and tabulated Q values disagree.
    reaction label 63: He4 + (Ru103_e8 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 528222.9812469482 eV vs 2595720. eV!
    ```

39. Calculated and tabulated Q values disagree.
    reaction label 64: He4 + (Ru103_e9 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 526292.9812469482 eV vs 2593790. eV!
    ```

40. Calculated and tabulated Q values disagree.
    reaction label 65: He4 + (Ru103_e10 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 500312.9812469482 eV vs 2567810. eV!
    ```

41. Calculated and tabulated Q values disagree.
    reaction label 66: He4 + (Ru103_e11 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 431222.9812469482 eV vs 2498720. eV!
    ```

42. Calculated and tabulated Q values disagree.
    reaction label 67: He4 + (Ru103_e12 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 396972.9812469482 eV vs 2464470. eV!
    ```

43. Calculated and tabulated Q values disagree.
    reaction label 68: He4 + (Ru103_e13 ->Ru103 + gamma) (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 384162.9812469482 eV vs 2451660. eV!
    ```

27

44. Calculated and tabulated Q values disagree.
reaction label 69: He4 + (Ru103_e14 ->Ru103 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 377792.9812469482 eV vs 2445290. eV!
```

45. Calculated and tabulated Q values disagree.
reaction label 70: He4 + (Ru103_e15 ->Ru103 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 374672.9812469482 eV vs 2442170. eV!
```

46. Calculated and tabulated Q values disagree.
reaction label 71: He4 + (Ru103_e16 ->Ru103 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 369502.9812469482 eV vs 2.437e6 eV!
```

47. Calculated and tabulated Q values disagree.
reaction label 72: He4 + (Ru103_e17 ->Ru103 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 364202.9812469482 eV vs 2.4317e6 eV!
```

48. Calculated and tabulated Q values disagree.
reaction label 73: He4 + (Ru103_e18 ->Ru103 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 340402.9812469482 eV vs 2.4079e6 eV!
```

49. Calculated and tabulated Q values disagree.
reaction label 74: He4 + (Ru103_e19 ->Ru103 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 310372.9812469482 eV vs 2377870. eV!
```

50. Calculated and tabulated Q values disagree.
reaction label 75: He4 + (Ru103_c ->Ru103 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 310372.9812469482 eV vs 2377870. eV!
```

51. Calculated and tabulated Q values disagree.
reaction label 76: Pd107 + gamma (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6513936.44619751 eV vs 6538380. eV!
```

52. Calculated and tabulated Q values disagree.
reaction label 77: n + He4 + Ru102 + gamma (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -4329193.059494019 eV vs -3232510. eV!
```

53. Calculated and tabulated Q values disagree.
reaction label 78: n[multiplicity:'2'] + He4 + Ru101 + gamma (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -13724846.70368958 eV vs -1.24529e7 eV!
```

54. Calculated and tabulated Q values disagree.
reaction label 79: n[multiplicity:'2'] + H1 + Rh104 + gamma (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -18290380.59973145 eV vs -1.83154e7 eV!
```

- `njoy2012` Warnings:

1. Evaluation has no unresolved resonance parameters given
   unresr...calculation of unresolved resonance cross sections (0): No URR

   ```
   ---message from unresr---mat 4637 has no unresolved parameters
                           copy as is to nout
   ```

2. Evaluation has no unresolved resonance parameters given
   purr...probabalistic unresolved calculation (0): No URR

   ```
   ---message from purr---mat 4637 has no unresolved parameters
                          copy as is to nout
   ```